

European Conference on Mathematical and Theoretical Biology (ECMTB 2026)



Monday 13 July 2026 - Friday 17 July 2026

University of Graz

Scientific Programme

Cardiovascular Modelling

Cellular and Developmental Biology

Ecology and Evolutionary Dynamics

Education and Outreach

Infectious Disease Modelling and Epidemiology

Mathematical Oncology

Multiscale and Multiphysics Modelling

Neuroscience and Neural Systems

Numerical, Computational, and Data-Driven Methods

Systems Biology and Biochemical Networks

Cutting Edge Research Areas

Examples from previous conferences:

Biomechanics and Biophysics: tissue and cellular mechanics, fluid–structure interactions (ECMTB)

Immunology and Inflammation: immune response dynamics, host–pathogen interactions (ECMTB,

SMB)

Pharmacology and Therapeutics: drug resistance, pharmacokinetics/pharmacodynamics, therapy optimisation (ECMTB)

Plant and Agricultural Modelling: plant growth, crop–pathogen interactions, pest control (ECMTB)

Synthetic and Systems Biotechnology: synthetic circuits, microbial consortia, bioproduction (ECMTB)

Environmental and Climate-Related Modelling: climate–ecosystem interactions, environmental drivers of epidemics (ECMTB, SMB)

Topological Data Analysis and Complexity: approaches to biological data and networks (ECMTB)

Miscellaneous

Track for contributions that do not really fit in any of the other tracks.